ACC NR: AP6033910 (A) SOURCE CODE: UR/0323/66/000/004/0050/0056

AUTHORS: Prokhorov, L. I. (Engineer); Khromova, N. S. (Candidate of technical sciences, Docent); Pavlov, S. A. (Doctor of technical sciences, Professor)

ORG: Moscow Technological Institute of Light Industry (Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti)

TITLE: The influence of the type of diisocyanate and of blocking substances on the properties of porous materials manufactured from carboxyl-containing rubbers

SOURCE: IVUZ. Tekhnologiya legkoy promyshlennosti, no. 4, 1966, 50-56

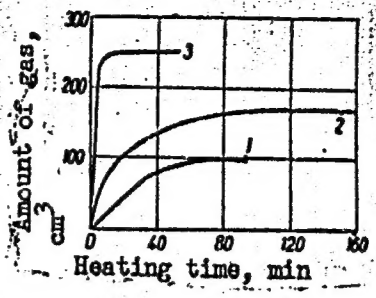
TOPIC TAGS: polymer, rubber, toluene diisocyanate, methylmethacrylate / SKS-30-1 rubber

ABSTRACT: The properties of porous materials obtained by the action of 2,4-toluylene diisocyanate and of hexamethylenediisocyanate respectively, blocked with either acetoacetic ester or with tertiary butyl alcohol, on the carboxyl-containing rubber SKS-30-1, were investigated. The investigation supplements the results of L. I. Prokhorov, N. S. Khromova, and S. A. Pavlov (Polucheniye poristykh struktur s ispol'zavaniyem blokirovannogo toluilendiizotsianata, Izvestiya vysshikh uchebnykh zavedeniy, Tekhnologiy legkoy promyshlennosti No. 3, 1966). The rate of gas evolution during heating and the mechanical properties of the products were determined.

Card 1/2

ACC NR: AP6033910

Fig. 1. Dependence of the amount of gaseous products formed during the interaction of free and blocked toluylendiisocyanate respectively with methylmethacrylate on the period of heating at 150C. 1 - blocked diisocyanate; 2 - free diisocyanate; 3 - free diisocyanate in the presence of triethylamine



The experimental results are summarized in graphs and tables (see Fig. 1). It was found that the introduction of 2,4 toluylenediisocyanate blocked with acetoacetic ester into rubber SKS-30-1 yields a better product than does the introduction of hexamethylenediisocyanate, similarly blocked, into the same substrate. Orig. art. has: 3 tables and 3 graphs.

SUB CODE: 11/ SUBM DATE: 03Nov65/ ORIG REF: 002/ OTH REF: 002

Card 2/2

REZNICHENKO, V.A.; TKACHENKO, V.A.; MIKELADZE, G.Sh.; KARYAZIN, I.A.; KOZLOV, V.M.; NADIRADZE, Ye.M.; SOLOV'YEV, V.I.; GOGORISHVILI, B.P.; Prinimali uchastiye: PKHAKADZE, Sh.S.; METREVELI, A.I.; CHIKASHUA, D.S.; KHROMOVA, N.V.; KAVETSKIY, G.D.; TSKHVEDIANI, R.N.; ARABIDZE, T.V.

Making titanium slag in an electric closed reduction furnace. Titan i ego splavy no.8:28-40 '62. (MIRA 16:1)
(Titanium--Electrometallurgy)

S/598/60/000/004/009/020
D217/D302

AUTHORS: Reznichenko, V.A. and Khromova, N.V.

TITLE: Studying the solubility of the lower oxides of titanium in sulphuric acid

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy. No. 4. Moscow, 1960. Metallurgiya titana, 89-94

TEXT: The solubility of Ti_3O_5, Ti_2O_3 and TiO in H_2SO_4 was investigated. The experiments were carried out with 1 : 1 H_2SO_4 at 70, 80, 90, 100 and 110°C for 6-8 hours. The volume ratio between solid and liquid was 1 : 100. The experiment was carried out as follows: 0.5 grams of the substance under investigation and 50 ml H_2SO_4 were placed in a 50 ml flask provided with a glass stirrer. The temperature was maintained constant within ± 2°C. In order to determine the solubility with time, 2 ml samples were taken each hour.. These were analyzed for Ti content

Card 1/3

S/598/60/000/004/009/020
D217/D302

Studying the solubility ...

by a photocolorimetric method. The decomposition of the slag in H_2SO_4 is determined mainly by the mineral composition of the slag. The main mineral of Ti slags is anosovite, which is an isomorphic series of three Ti_3O_5-base solid solutions. Pure anosovite, without isomorphic impurities, is a high-temperature modification of Ti_3O_5 which can be obtained in the presence of modifiers (Al_2O_3 or MgO). The authors investigated the solubility of Ti_3O_5 as produced by the method developed at Institut metallurgii, AN SSSR (Institute of Metallurgy, AS USSR). Ti_2O_3 also prepared by a method developed at this Institute, was studied with respect to its reaction with H_2SO_4. By means of straight-line curves, expressing the temperature dependence of the solution rate of titanium oxides, the apparent energies of activation for the dissolution of these oxides in H_2SO_4 were calculated. The results of these calculations are:

Card 2/3

LEVINA, M.Ye.; KHROMOVA, N.V.

Phase transitions and heats of solution of potassium fluoberyllate (K_2BeF_4). Izv.vys.ucheb.zav.;khim.i khim.tekh. 6 no.5:717-723 '63. (MIRA 16:12)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, kafedra obshchey khimii.

L 47040-66

ACC NR: AT6024922

3

the fused grains of the fusion zone and cast grains of the seam, liquation of zinc from the grain to the periphery is observed; the boundary regions are rich, the central ones poor in zinc. X-ray structural analysis showed the existence of the Al_6Mn phase in ATsM and ATsMU alloys if the manganese concentration did not exceed 0.26%. In ATsM and to a much lesser degree in ATsMU, which contains half as much Mn, coarse formations of the separated Al_6Mn phase are observed which promote the generation of microcracks and may increase the tendency toward a slow breakdown. Orig. art. has: 3 figures and 3 tables.

SUB CODE: 11/ SUBM DATE: none

27

welding of dissimilar metals

Card 2/2 vmb

KHROMOVA, O.A.

L 14969-65 EWT(m)/EWA(d)/EWP(t)/EWP(b) Pad ASD(m)-3/AFETR MJW/JD/EM/JG/MLK

ACCESSION NR: AT4048094 S/0000/64/000/000/0078/0083

AUTHOR: Blok, N.I., Glazova, A.I., Kozlova, M.N., Lashko, N.V., Morozova, G.I., Sorokina, A.P., Khromova, O.A.

TITLE: Comparison of methods for the phase separation of nickel chromium alloys

SOURCE: Spektral'ny*ye i khimicheskiye metody* analiza materialov (Spectral and chemical methods of materials analysis); sbornik metodik. Moscow, Izd-vo Metallurgiya, 1964, 78-83

TOPIC TAGS: nickel alloy, chromium alloy, phase separation, Alpha phase, carbide phase, electrolysis

ABSTRACT: The most widely used methods of electrolytic phase separation for heat-stable Ni-Cr alloys were investigated and compared. The baths proposed by different organizations for isolating the α-phase and carbide phase are as follows: 1. 10 g $(NH_4)_2SO_4$, 10 g citric acid, 1200 ml H_2O; 2. 5 g $(NH_4)_2SO_4$, 15 ml HNO_3, 35 g citric acid, 1000 ml H_2O; 3. 3% $FeSO_4 \cdot 7H_2O$, 3.5% NaCl, 5% H_2SO_4; 4. 20 g $CuSO_4$, 10 g sodium citrate, 5 ml H_2SO_4, 1000 ml H_2O; 5. anolyte: 10 g $CuSO_4$, 1 g citric acid, 250 ml C_2H_5OH, 1000 ml H_2O; catholyte: 10 g $CuSO_4$, 10 g citric acid, 10 ml C_2H_5OH,

Card 1/3

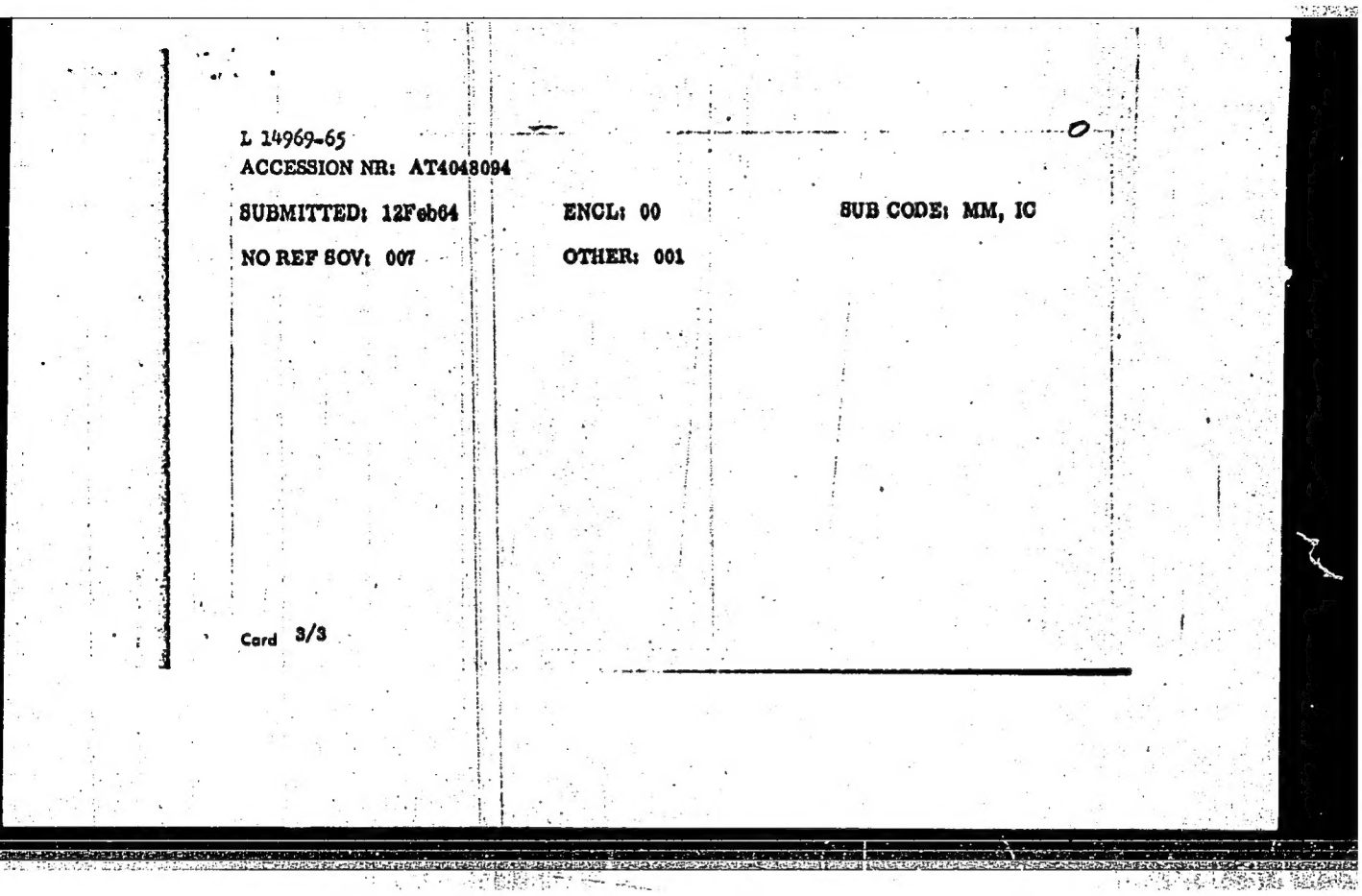
L 14969-65

ACCESSION NR: AT4048094

1000 ml H_2O; 6. 100 ml H_3PO_4, 1000 ml H_2O. The current density in all cases was 0.05-0.07 amps/cm^2, for 60 minutes at room temperature. The chemical analysis of the χ-phase and anode residues is described in detail. Two heat-stable Ni-Cr alloys were used: EI437B (0.037 % C, 20.57% Cr, 2.75% Ti, 0.70% Al) and EI617(0.056%C, 15.17% Cr, 3.67% Mo, 2.00% Ti, 5.30% W, 0.21% V, 1.70 % Al) under different conditions of tempering. As shown by tabulated data, the electrolytes used are suitable for the separation of the χ-phase. The electrolyte with a smaller amount of ethyl alcohol gives a slightly decreased amount of α-phase. Variation in the pH from 0.8 to 2.6 does not affect the total amount of α-phase. The phase separation proceeds most favorably in electrolytes containing 30 g of citric acid during electrolysis. X-ray data show that for EI437B, a carbide of the type TiC, $Me_{23}C_6$ and $Ni_n(W, Mo, Cr_m)C$ are obtained. The best results were obtained with the VIAM bath (50 ml HCl 100 ml glycerol, 1000 ml CH_3OH, current density 0.05 amps/cm^2 1 hr.) Orig. art. has: 4 tables and 1 figure.

ASSOCIATION: none

Card 2/3



L 14969-65
ACCESSION NR: AT4048094

SUBMITTED: 12Feb64 ENCL: 00 SUB CODE: MM, IC

NO REF SOV: 007 OTHER: 001

Card 3/3

L 52058-65 EPA(s)-2/EWT(m)/EWP(w)/EPF(n)-2/EWA(d)/T/EWP(t)/EWP(z)/EWP(b)/

ACCESSION NR: AT5011339 UR/0000/65/000/000/0048/0054

[illegible] and molybdenum

[illegible]sostav, struktura i svoystva legirovannykh staley i splavov

[illegible]ryllium alloy, tungsten containing alloy, molybdenum containing

[illegible]date the characteristics of molybdenum and tungsten as alloying

[illegible], 5.5% Mo, bal. Ni, forged bars quenched from 1080C and aged for 5 hrs. at [illegible] were tested. The phase composition of anodic deposits was determined. The results of phase and microstructural analyses of these alloys show that one of

L 52058-65
ACCESSION NR: AT5011339

2

served in the alloy containing tungsten. The discontinuous decomposition is
[illegible]ized by a rapid precipitation of particles of the NiBe phase in the
[illegible]olid solution in the so-called zones of overaging. The formation of
[illegible]z at high temperatures [illegible] heat
[illegible]. Orig. art. has: [illegible]

ASSOCIATION: None

[illegible]

[illegible]

Card 2/2

PHASE I BOOK EXPLOITATION SOV/4402

Zhdanov, A. I., Ye. A. Levanova, N. S. Basina, G. N. Sergeyeva, and R. P. Khromova

Rukovodstvo po opredeleniyu stoimosti i ekonomicheskoy effektivnosti modernizatsii metallorezhushchikh stankov; rukovodyashchiye materialy (Manual on Determining Cost and Economic Effectiveness of the Modernization of Metal-Cutting Machine Tools; Guide Materials) Moscow, Mashgiz, 1958. 52 p. Errata slip inserted. 3,000 copies printed.

Sponsoring Agency: Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov.

Ed.: A. Ye. Prokopovich; Tech. Ed.: A. F. Uvarova; Managing Ed. for Literature on Metalworking and Tool Making: R. D. Beyzel'man, Engineer.

PURPOSE: This handbook is intended for personnel of chief-mechanic sections and design sections of machine-tool plants.

Card 1/4

KHROMOVA, T.

At the silk combine. Pozh.delo 5 no.9:15 S '59.
(MIRA 13:1)

1. Nachal'nik planovogo otdela Stalinabadskogo shelkokombinata.
(Stalinabad--Silk manufacture)

DUBOV, E.Ye.; KHROMOVA, T.P.

Determining the abundance of some elements on the sun from sunspot spectra. Izv. Krym. astrofiz. obser. 31:247-258 '64.
(MIRA 17:9)

USSR/Engineering - Welding, Methods Sep 51

"Nitrogen-Shielded Arc Welding of Copper," Docent A. N. Shashkov, Laureate of Stalin Prize, Ts. S. Khromova, Engr, VNIIavtogen

"Avtogen Delo" No 9, pp 4-7

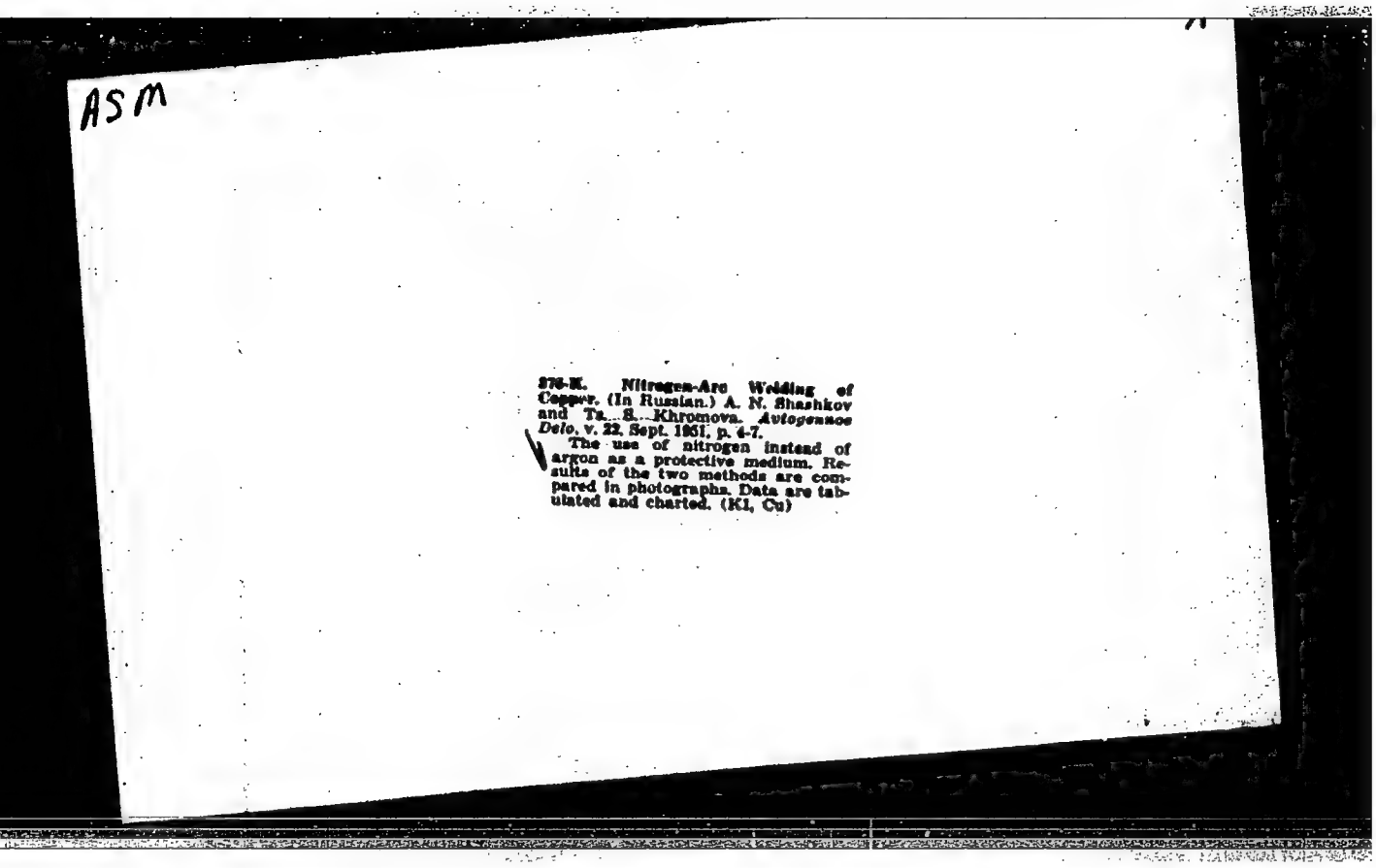
Investigates application of nitrogen as protective medium for arc welding and compares results with those of argon-shielded arc welding. Due to insufficiently high mech properties of welded metal, tested various deoxidizers. Obtained best results by using mixts of charcoal, ferrophosphorous, aluminum power, ferrosilicon and ferromanganese. Substitution of nitrogen for argon proved to be quite possible.

202T33

USSR/Engineering - Welding, Methods (Contd) Sep 51

202T33

KHROMOVA, TS. S.



ASM

378-K. Nitrogen-Arc Welding of Copper. (In Russian.) A. N. Shashkov and Ta...S...Khromova. *Avtogennoe Delo*, v. 22, Sept. 1951, p. 4-7.

The use of nitrogen instead of argon as a protective medium. Results of the two methods are compared in photographs. Data are tabulated and charted. (KI, Cu)

SHASHKOV, A.N., dotsent; KHROMOVA, Ts.S., inzhener; VAKSMAN, S.S., inzhener.

Increasing the impact strength in gas welding. Vest.mash. 33 no.9:81-85 S '53. (MLRA 6:10)

(Oxyacetylene welding and cutting)

KHROMOVA, TS.S., inzhener; NOVIKOV, O.F., inzhener.

Welding of tube ends to end plates using the MOTR-54 machine.
Svar.proizv.no.12:17-19 D '55. (MLRA 9:2)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy obrabotki metallov.
(Pipe--Welding)

KHROMOVA, TS.S.

ANTONOV, I.A., kand.tekhn.nauk; ANTOSHIN, Ye.V., inzh.; ASINOVSKAYA, G.A., inzh.; VASIL'YEV, K.V., kand.tekhn.nauk; GUZOV, S.G., inzh.; DEYKUN, V.K., inzh.; ZAYTSEVA, V.P., inzh.; KAZHEKOV, P.P., inzh.; KARAN, Yu.B., inzh.; KOLTUNOV, P.S., kand.tekhn.nauk; KOROVIN, A.I., inzh.; KRZHECHKOVSKIY, A.K., inzh.; KUZNETSOVA, Ye.I., inzh.; MATVEYEV, N.N., tekhnik; MOROZOV, M.Ye., inzh.; NEKRASOV, Yu.I., inzh.; NECHAYEV, V.D., kand.tekhn.nauk; NINBURG, A.K., kand.tekhn.nauk; SPEKTOR, O.Sh., inzh.; STRIZHEVSKIY, I.I., kand.khim.nauk; TESMENITSKIY, D.I., inzh.; KHROMOVA, TS.S., inzh.; TSEUNEL', A.K., Inzh.; SHASHKOV, A.N., kand. tekhn.nauk, dots.; SHELECHNIK, M.M., inzh.; SHUKHMAN, D.Ya., inzh.; EDEL'SON, A.M., inzh.; VOLODIN, V.A., red.; UVAROVA, A.F., tekhn.red.

[Machines and apparatuses designed by the All-Union Institute of Autogenous Working of Metals] Mashiny i apparty konstruktsii VNIIAvtogen. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1957. 173 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut avtogennoi obrabotki metallov, no.9)
(Gas welding and cutting--Equipment and supplies)

KHROMOVA, Ts. S.

137-58-3-5281

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 117 (USSR)

AUTHOR: Khromova, Ts. S.

TITLE: Ceramic Tips for Electrode Holders of the EZR-54 Type (Keramicheskiye nakonechniki dlya elektrododerzhateley tipa EZR-54)

PERIODICAL: Tr. Vses. n.-i. in-ta avtogen. obrabotki metallov , 1957, Nr 4, pp 155-156

ABSTRACT: An experimental series of electrode holders of the EZR-1-54 and EZR-2-54 types, equipped with ceramic tips and caps, was developed by the VNIIAvtogen to be employed in gas-shielded arc welding. The tips are prepared from crystalline corundum ceramics which exhibit the following properties: dielectric constant E 8.0-9.5 at a frequency f = 1 mc; specific electrical resistivity, at 600°, amounts to 10^7-10^8 ohm/cm; the σ_b varies between 1600 kg/cm^2 and 2200 kg/cm^2 under static bending, while γ = 3.2 to 3.7 g/cm^3; the melting point lies at 1900°. Heating the ceramic to 150° and then quenching it in water at 15-20° does not affect its mechanical strength. The tips are manufactured by press-forming with subsequent

Card 1/2

Ceramic Tips for Electrode Holders of the EZR-54 Type

heat treatment; they ensure complete insulation of the electrode holder from the component being welded, and facilitate welding operations in inaccessible areas.

V.S.

KHROMOVA, Ts.S.

135-5-9/14

SUBJECT: USSR/Welding.

AUTHOR: Khromova, Ts.S., Engineer

TITLE: Ceramic Tips for Arc Welding in Gas. (Keramicheskiye nakonechniki dlya gazo-dugovoy apparatury).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, # 5, pp 24-25 (USSR).

ABSTRACT: The author reviews briefly the experience with electrode holder tips for arc welding with non-melting tungsten electrodes in shielding gas, stating that there are no satisfactory insulating tips available. The existing types either have to be replaced 3-5 times per shift, or they badly affect work conditions and cause waste of electrode material. Also mentioned is foreign experience with ceramic and copper tips.

The author's institute has tested various ceramics as tip material, among others - microlite, pyrophyllite, ceramic cordierite and ceramic crystal corund. The latter was found absolutely satisfactory. Tips of this material suffered no significant change during 24-hour tests. The first trial consignment has been sent to industrial plants, where the tips proved to be fully in conformity with the technical requirements. One tip

Card 1/2

KHROMOVA, V.

KHROMOVA, V.

Made of reeds. Prom.koop. no.8:35 Ag '57. (MIRA 10:9)

1. Inzhener oblpromsoveta, Astrakhan'.
(Rush work)

KHROMOVA, V. A.

KHROMOVA, V.A.--"Kinetics of the Reactions of Solid Chlorides with Bromine nVapors." Tomsk U imeni V. V. Kuybyshev, Tomsk, 1955. (Dissertation for the Degree of Candidate in Chemical Sciences)

SO: Knizhnaya Letopis', No. 35, 1955

KHROMOVA, V.A. (Krasnoyarsk)

Kinetics of reactions between strontium, barium, and lead chlorides and bromine vapor. Zhur.fiz.khim. 34 no.6:1294-1298 Je '60. (MIRA 13:7)

1. Krasnoyarskiy pedagogicheskiy institut.
(Strontium chloride) (Barium chloride) (Lead chloride)
(Bromine)

KHROMOVA, V.A.

General patterns of the bromination of some metal chlorides. Uch. zap. Kras. gos. ped. inst. 15:136-143 '59. (MIRA 14:12)
(Bromination) (Chlorides)

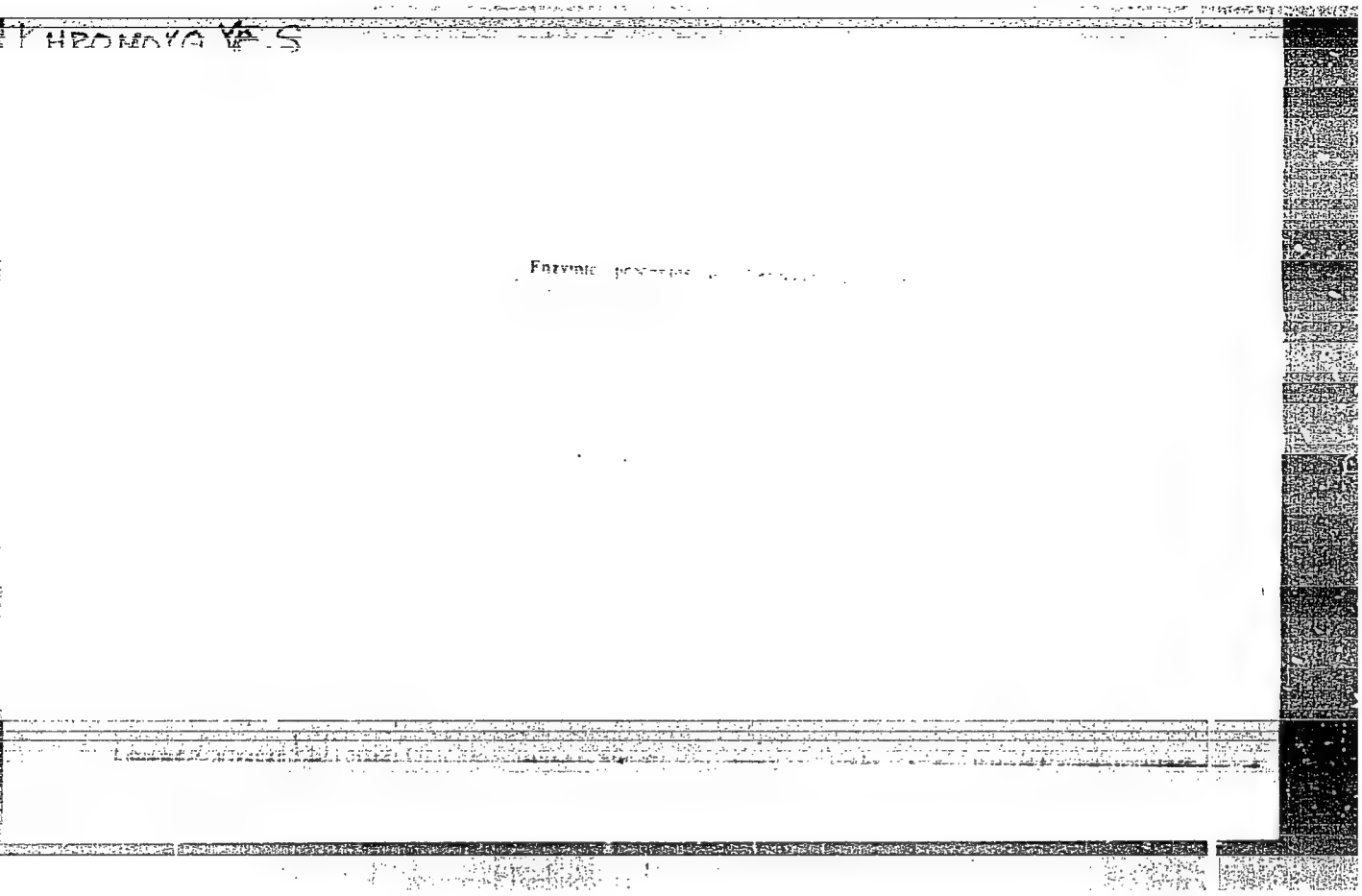
TATUR, Sergey Kuz'mich, prof.; MASSARYGIN, Fedor Sergeyevich, dotsent; SHEREMET, Anatoliy Danilovich, kand.ekonom.nauk; KHROMOVA, Ye.A., red.; YERMAKOV, M.S., tekhn.red.

[Analysis of the administrative operations of socialist industrial enterprises; concise course] Analiz khoziaistvennoi deiatel'nosti sotsialisticheskikh promyshlennykh predpriiatii; kratkii kurs. Pod red. S.K.Tatura. Izd.2. Moskva, Izd-vo Mosk.univ., 1960. 186 p. (MIRA 13:12)
(Finance) (Industrial management)

SOKOLOVSKIY, Timofey Yakovlevich; FEDOROV, V.P., otv.red.; KHROMOVA, Ye.A., red.; YERMAKOV, M.S., tekhn.red.

[Land rent and the development of capitalism in agriculture; lecture on the course in political economy for correspondence-school students] Zemel'naia renta i razvitie kapitalizma v sel'skom khoziaistve; lektsiia po kursu politicheskoi ekonomii dlia studentov-zaochnikov. Otv.red.V.P.Fedorov. Moskva, Izd-vo Mosk.univ., 1961. 43 p. (MIRA 14:3)

(Rent (Economic theory))
(Agriculture--Economic aspects)



Ye.

USSR.

Absorption of enzymes by wheat flour gluten. N. I. Proskuryakov and E. S. Khromova (M. V. Lomonosov Moscow State Univ.). Biokhimiya 20, 103-7(1955).—Gluten was removed from wheat flour by washing with H_2O. Washings were evapd. to dryness by several methods, finely ground, tested for N content and then for β-amylase, catalase, peroxidase, polyphenoloxidase, invertase, dehydrase, and proteolytic enzymes. β-Amylase, catalase, polyphenoloxidase and proteolytic enzymes are adsorbed from the flour by glutens prepd. the usual way. Some differences in the enzyme adsorption appear with the different methods used in drying the washed-out gluten, which is equally true of its enzyme preservative properties. More of the catalase remains in the washed flour than is adsorbed by the gluten, while the proteolytic enzymes are almost completely removed from the flour by the washed-out gluten.

B. S. Levine

SPIVAK, Natan Yakovlevich, kand. tekhn. nauk; USHAMIRSKIY, Mark Konstantinovich; LINETSKIY, Yakov Isaakovich; KHROMOVA, Zinaida Pavlovna, st. inzh.; FINKINSHTEYN, B.A., inzh., red.;

[Large-panel apartment houses of keramzit concrete; practices of trust No.25 of the Kuybyshev Economic Council] Krupnopanel'nye zhilye doma iz keramzitobetona; opyt tresta no.25 Kuibyshevskogo sovnarkhoza. Moskva, Gosstroiizdat, 1962. 47 p. (MIRA 18:5)

1. Rukovoditel' laboratorii TSentr. nauchno-issledovatel'skogo instituta industrial'nykh zhilykh i massovykh kul'turno-bytovykh zdaniy Akademii stroitel'stva i arkhitektury SSSR (for Spivak). 2. Glavnyy inzhener tresta No.25 Kuybyshevskogo sovnarkhoza (for Ushamirskiy). 3. Rukovoditel' laboratorii Nauchno-issledovatel'skogo instituta stroitel'noy fiziki i ograzhdayushchikh konstruktsiy Akademii stroitel'stva i arkhitektury SSSR (for Linetskiy).

FATEYEVA, V.V.; VENGRINOVICH, L.S.; KHROMOVAYA, T.N.; KALGASHKINA, A.P.; NIKOLAYEVA, A.A.; FEVRALEVA, L.G., otv. red.

[Supplement to the final catalog on the availability of meteorological data for the period of the IGY and IGC] Dopolnenie k okonchatel'nomu katalogu nalichiia dannykh po meteorologii za period MGG-MGS. Moskva, 1964. 32 p. (MIRA 18:8)

1. Mirovoy tsentr dannykh MGG B.

KOZLOVSKIY,A.A.; KORZHETSKIY,V.P., laureat Stalinskoy premii; POLYAKOV, V.G.; KHROMOVOY,A.P.; KOGAN,I.Y.; BAZANOV,A.F., laureat Stalinskoy premii.

The BTK-30 crane. Rats. i izobr. predl. v stroi. no.110:3-5 '55. (Cranes, derricks, etc.) (MLRA 8:10)

FATEYEVA, V.V.; VENGRINOVICH, L.S.; KHROMOVOY, T.N.; KALGASHKINA, A.P.; NIKOLAYEVA, A.A.; FEVRALEVA, L.G., otv. red.

[Final catalog of the available data on meteorology for the period of the IGY-IGC] Okonchatel'nyi katalog nalichiia dannykh po meteorologii za period MGG-MGS. Moskva, NIIAK. ___[Supplement to...] Dopolnenie k... 1964. 32 p. (MIRA 17:6)

1. Mirovoy TSentr dannykh MGG B. 2. Sotrudniki Mirovogo TSentra dannykh (for all except Fevraleva).

KHROMOVSKIKH, V.S.

Structures of seismic origin in the southern Lake Baikal region. Geol i geofiz. no.8:68-81 '63. (MIRA 16:10)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR, Irkutsk.
(Baikal Lake region--Geology, Structural)
(Baikal Lake region--Seismology)

KHRONOVSKIKH, V.S.

Strong earthquake in the southern part of the Lake Baikal region in 1963. Geol. i geofiz. no.6:66-77 '64 (MIRA 18:2)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR, Irkutsk.

KHROMOVSKIKH, V.S.; SOLONENKO, V.P., otv. red.

[Seismogeology of the southern part of the Lake Baikal region] Seismogeologiia IUzhnogo Pribaikal'ia. Moskva, Nauka, 1965. 120 p. (MIRA 18:12)

ACC NR: AM6008008

Monograph

UR/

Khromovskikh, Vladimir Sergeyevich

Seismogeology of southern Baikal Lake region (Seysmogeologiya YUzhnogo Pribaykal'ya) Moscow, Izd-vo "Nauka", 65. 0121 p. illus. biblio. (At head of title: Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut zemnoy kory) 1,100 copies printed.

TOPIC TAGS: seismicity, earthquake, seismology / Lake Baikal region

PURPOSE AND COVERAGE: With the recent rapid assimilation and development of the southern Baikal Lake region into an industrial complex, the study of seismic characteristics of this region has become of utmost importance. Seismogeological and, in particular, paleoseismogeological methods have been applied in these studies during the past decade. In this book the author describes the results of his studies of seismicity of this area over a three-year period, during which he applied the paleoseismogeological method.

TABLE OF CONTENTS:

Card 1/2

UDC:550.34+550(—13)(571.53)+571.531)

[illegible]/ ORIG REF: [illegible]

KHROMOVSKIKH, V.S.

Seismogravity landslides and separation pillars in the crystalline rocks of the mountains surrounding the Lake of Baikal. Geol. i geofiz. no.6:35-47 '64. (MIRA 18:11)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR, Irkutsk.

[illegible], V.I.

Detailed seismic regionalization of the S[illegible] Delta and the adjacent area. Geol. i geofiz. no.6:[illegible] '65.

(MIRA 18:8)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR, Irkutsk.

KHROMOY, A.V.

" An introduction to the theory of control in mechanical engineering" by R.H. Macmillan. Reviewed by A.V.Khromoi. Avtom. i telem. 14 no.2:244-245 Mr-Ap '53. (MLRA 10:3)
(Automatic control)
(Macmillan, R.H.)

KHROMOY, A.V.

VIL'DT, Ye.O.; LANDSBERG, R.S.; KHROMOY, A.V.

Supplement to the list of Russian literature on automatic control and allied problems for 1951 published in issue no.2 for 1952. Avtom. i telem. 14 no.2:246-249 Mr-Ap '53. (MLRA 10:3)
(Bibliography--Automatic control)

KHROMOY, A.V.

VIL'DT, Ye.O.; LANDSBERG, R.S.; KHROMOY, A.V.

List of Russian literature on automatic control and allied problems for 1952. Avtom. i telem. 14 no.2:249-256 Mr-Ap '53. (MLRA 10:3)
(Bibliography--Automatic control)

L 28982-66 EWT(d)/FSS-2

ACC NR: AP6019140 SOURCE CODE: UR/0187/65/000/011/0062/0065

AUTHOR: Zubarev, Yu. B.; Ul'yanov, V. N.; Khromoy, B. P.

ORG: Moscow Electrical Engineering Institute of Communications (Moskovskiy elektrotekhnicheskiy institut svyazi)

TITLE: New form of synchrosignal for television systems

SOURCE: Tekhnika kino i televideniya, no. 11, 1965, 62-65

TOPIC TAGS: TV system, pulse signal

ABSTRACT: By reducing to 1-1.5 microseconds the length of the line scan synch signal, "space" during the flyback of the scan beam is created for a pulse-modulated sound signal. This simple change results in a reduction of the influence of the sound channel on the synch; reduction in 50 (or 60) cycle noise; increased noise-stability of sound channel, due to increased length of sound pulses. No change in the synch sections of presently produced TV sets is required. Orig. art. has: 7 figures. [JPRS]

SUB CODE: 17 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001

Card 1/1 BLG UDC: 621.397.335

88064

S/187/60/000/005/002/002
A189/A026

6,6000 (and 1159)

AUTHOR: Khromoy, B.P.

TITLE: An Electronic Key for Photographing From a Kinescope Screen

PERIODICAL: Tekhnika kino i televideniya, 1960, No. 5, pp. 71 - 73

TEXT: The author describes an electronic key for photographing a single frame, or half-frame, from the kinescope screen. The key is especially adapted for ПТУ (PTU) industrial TV-system. The key is assembled on five 6Н1П (6N1P) tubes and is being connected to the TV receiver for photographing. The key is synchronized with the camera shutter and transmits a brightening pulse to the kinescope at the beginning of the next frame after releasing the shutter. The exposure time should not exceed 1/50 sec for a half-frame and 1/25 sec when photographing a full frame. There are 2 figures and 1 German reference.

Card 1/1

KATAYEV, S.I.; KHROMOY, B.P.

Consideration of the effect of interference on the derivation of a silhouetted signal rear projection. Radiotekhnika 16 no.10:38-43 O '61. (MIRA 14:10)

1. Deystvitel'noye chleny Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni Popova.
(Television)

KHROMOY, B.P.

Reproduction of fine details in an electronic rearprojection system. Elektrosviaz' 17 no.1:24-30 Ja '63. (MIRA 16:2)
(Television)

RUDENSKIY, Lev Veniaminovich[deceased]; KHROMOY, Ruvim Samoylovich; LENKOV, Aleksandr Yakovlevich; FAYNBERG, Yuliy Konstantinovich; SALIT, Yevsey Solomonovich; KAUFMAN, Grigoriy Emmanuilovich; KHIZHINSKIY, Leonid Yakovlevich; KOMAROV, Vasiliy Yefimovich; TSYRUL'NIKOV, Abram Iosifovich; ROZENTSVEYG, Ya.D., red.izd-va; MAIKHAYLOVA, V.V., tekhn. red.

[Study of materials] Materialovedenie. By L.V.Rudenskii i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 476 p. (MIRA 14:12)
(Materials)

KATAYEV, S.I.; KURDOV, L.I.; KHROMOY, V.P.; UL'YANOV, V.N.; DROKHANOV, A.N.

Experimental electronic rear projection system in the Moscow Television Center. Vest. sviazi 22 no.5:3-6 My '62. (MIRA 15:5)

1. Sotrudniki kafedry televideniya Moskovskogo elektrotekhnicheskogo instituta svyazi.

(Moscow--Television stations--Electronic equipment)

KHROMOY, Ya. V.

KHROMOY, Ya.V. -- "The Theory of Inequalities as One of the Central Divisions of the School Course in Mathematics and Its Significance for the Development of Logical Thinking." Kiev, 1956. (Dissertation for the Degree of Candidate in Pedagogical Sciences).

So.: Knizhnaya Litopis', No. 7, 1956.

8(5) SOV/125-59-8-11/18

AUTHORS: Khromoy, Yu.D., and Arsh, A.M. (Ryazan')

TITLE: All-Metal Ignitrons for Contact Welding

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 8, pp 79-84 (USSR)

ABSTRACT: The article describes a series of new all-metal ignitrons intended for electric contact welding applications, and discusses several aspects of their use in operation. In these all-metal units the cooling sleeve is an integral part of the whole; the jacket is made of non-rusting steel, type 1Kh18N9T. The authors enumerate a number of advantages of these new all-metal types over the glass-metal types. In this article 3 types of all-metal ignitron are dealt with: the I1-350/0,8, the I1-140/0,8, and the I1-70/0,8 (Fig 1). The authors discuss the choice and computation of operating conditions for a pair of "reverse-parallel" connected ignitrons (i.e. the voltage between anode and cathode of one ignitron is the back voltage for the second), taking into consideration the averaging time, "switch-on duration", and current power characteristics (Fig 2) of the ignitrons. It is

Card 1/3

stated that operating conditions with or without phase regulation should remain the same. Permissible welding conditions for a pair of "reverse-parallel" connected I1-70/0,8 units are computed in the text. Selection of ignitrons for "reverse-parallel" connected circuits is discussed in connection with the keep-alive current and ignition angle of the ignitrons, and with reference to measurements and data from the Avtozavod imeni Likhacheva (Auto Works imeni Likhachev). Ignitrons for balanced operation in welding machines should be selected with close values of keep-alive current rating. Requirements of the power supply for the keep-alive circuit are also discussed. To guarantee ignition it is recommended that a keep-alive voltage of no less than 200 V at a current up to 30 A is necessary. The authors make note of cases of unstable operation of ignitrons in service, due not only to the ignitrons themselves, but as well to defects in interrupter circuits; explanations of these malfunctions and means of avoiding them are also briefly noted. It is stated that in the series of all-metal ignitrons shortcomings inherent in glass metal

All-Metal Ignitrons for Contact Welding SOV/125-59-8-11/18

construction have been eliminated. Research to improve ignitron quality is recommended as follows: study of the relation between keep-alive parameters, and load current and "switch-on duration"; study of the relation between ignitron ignition angle, and the keep-alive parameters and cos ; study of the relation between the keep-alive parameters and the build-up time of the voltage on the igniter. There are 2 graphs and 1 photograph.

SUBMITTED: April 9, 1959

Card 3/3

BABSKIY, V.A., inzh.; RUBCHINSKIY, A.V., kand.tekhn.nauk; KHROMOY, Yu.D., inzh.

Density of mercuty vapor in open-type ignitrons. Vest. elektroprom. 34 no.8:34-40 Ag '63. (MIRA 16:9)
(Mercury-arc rectifiers)

KHROMOY, Yu.D., inzh.

A metal excitron with fixed cathode spot. Vest. elektroprom. 34 no.2:36-40 F '63. (MIRA 16:2)
(Mercury-arc rectifiers)
(Electric railroads—Electric equipment)

KHROMTSOV, M.I., inzhener.

Air-drying of lumber in winter. Der. i lesokhim.prom. 3 no.6:21-22 Je '54. (MLRA 7:7)

1. L'vovskiy lesotekhnicheskiy institut.
(Lumber--Drying)

GOLIKOV, Valentin Ivanovich; KUCHEROV, Ivan Konstantinovich; RESINA, Zinaida Fedorovna; KHROMTSOV, Mikhail Ivanovich; MOZHAROVSKIY, S.I., retsenzent; TITKOV, G.G., retsenzent; OBRAZTSOV, S.A., red.; STRATILATOVA, K.I., red.izd-va; PARAKHINA, N.L., tekhn.red.

[Lumbering and woodworking technology] Tekhnologiia lesopil'no-derevoobrabatyvaiushchego proizvodstva. Moskva, Goslesbumizdat, 1960. 383 p. (MIRA 14:4)
(Woodworking industries) (Lumbering)

KHROMTSOV, N. G.

KHROMTSOV, N. G. LIABIN, V. P.

Ispolnitel'nye razmery gladkikh kalibrov [Practical smooth-bore dimensions]. Spravochnik. Leningrad, Mashgiz, 1953. 352 p.

SO: Monthly List of Russian Accessions, Vol 6 No. 9 December 1953

KHROMTSOVA, M.S.

PHASE I BOOK EXPLOITATION SOV/4130

Leningrad. Arkticheskiy i Antarkticheskiy nauchno-issledovatel'skiy institut

Problemy Arktiki i Antarktiki; sbornik statey, vyp. 2 (Problems of the Arctic and Antarctic; Collection of Articles, No. 2) Leningrad, Izd-vo "Morskoy transport," 1960. Errata slip inserted. 500 copies printed.

Additional Sponsoring Agency: USSR. Ministerstvo morskogo flota. Glavnoye upravleniye Severnogo Morskogo puti.

Resp. Ed.: V.V. Frolov; Editorial Board: L.L. Balakshin, A.A. Girs, P.A. Gordiyenko (Deputy Resp. Ed.), I.M. Dolgin, L.G. Kaplinskaya, A.A. Kirillov, Ye.S. Korotkevich, V.V. Lavrov, I.V. Maksimov, A.I. Ol', I.I. Poznyak, and B.V. Felisov; Tech. Ed.: L.P. Drozhzhina.

PURPOSE: The publication is intended for geographers, oceanographers, and readers interested in the Arctic and Antarctic regions.

Card 1/5

KHROMUSHIN, G.

Theory of "income revolution" in the U.S. and present-day revisionism. Vop. ekon. no.7:106-114 Jl '58. (MIRA 11:8)
(United States--Income)

VOZNESENSKIY, L.; VOLKOV, F.; KHROMUSHIN, G.

Criticism of present-day bourgeois reformist and revisionist economic theories. Vop.ekon. no.3:113-125 Mr '59.
(MIRA 12:5)

(Economics)

KHROMUSHIN, G.

The bourgeois and revisionist legend about "democratization of capital." Vop.ekon. no.9:106-113 S '59. (MIRA 12:12)
(Collective farms--Accounting)

KHROMUSHIN, G.

"Against the bourgeois falsifications of socialist economic theory" by S.A. Khavina. Reviewed by G. Khromushin. Vop. ekon. no.11:143-147 N '62. (MIRA 15:11)
(Economics) (Khavina, S.A.)

KHROMUSHIN, G., kand.ekonomicheskikh nauk

Ideologists of anticommunism are dodging. Komm. Vooruzh. Sil 4 no.6:64-68 Mr '64. (MIRA 17:4)

TSAGOLOV, N.A., prof., doktor ekon.nauk; BLYUMIN, I.G., prof., doktor ekon.nauk [deceased]; RUMYANTSEV, A.M., prof.; KORNIYENKO, A.A., dotsent, kand.ekon.nauk; SHNEYERSON, A.I., prof., doktor ekon.nauk; LIF, Sh.B., prof., doktor ekon.nauk; SHVEDKOVA, G.M., kand.ekon. nauk; FISHEVSKIY, Yu.K.; DVORKIN, I.N., doktor ekon.nauk; SIDOROV, I.F.; KHAFIZOV, R.Kh., kand.ekon.nauk; NIKOLAYEV, A.B., kand.ekon. nauk; AVRAMCHUK, F.P., kand.ekon.nauk; AL'TER, L.B., doktor ekon. nauk; BOYARSKIY, A.Ya., prof., doktor ekon.nauk; BREGEL', E.Ya., prof., doktor ekon.nauk; ARZUMANYAN, A.A.; VOLODIN, V.S., dotsent, kand.ekon.nauk; MIKSHA, L.S., kand.ekon.nauk; BUNKINA, M.K., dotsent, kand.ekon.nauk; YEVREYSKOV, A.V., kand.ekon.nauk; FADEYEVA, T.A., kand.ekon.nauk; KOLGANOV, M.V., prof., doktor ekon.nauk; KHROMUSHIN, G.B., kand.ekon.nauk; MOSHENSKIY, M.G., kand.ekon.nauk; IVANOV, N.N., kand.ekon.nauk; GUTTSAYT, M.G., dotsent, kand.ekon. nauk; ABOLTIN, V.Ya., prof., doktor ekon.nauk; KOLLONTAY, V.M., kand.ekon.nauk; GLUKHAREV, L.I., kand.ekon.nauk; POKROVSKIY, A.I., kand.ekon.nauk; DADASHEV, G.A., dotsent, kand.ekon.nauk; ALESHINA, I.V., kand.ekon.nauk; ZHAMIN, V.A., dotsent, kand.ekon.nauk;

(Continued on next card)

TSAGOLOV, N.A.--(continued) Card 2.

KOZLOV, A.P.; TIMOFEYEV, T.T., kand.istor.nauk; ALEKSEYEV, A.M., dotsent, kand.ekon.nauk; FILATOVA, Ye.M., dotsent, kand.ekon.nauk. Prinimali uchastiye: VOLKOV, F.M., kand.ekon.nauk; KHROMUSHIN, G.B.; VOZNESENSKIY, L.A., nauchnyy sotrudnik. SPERANSKAYA, L., red.; CHEPELEVA, O., tekhn.red.

[Criticism of present-day bourgeois, reformist, and revisionist economic theories] Kritika sovremennykh burzhuaznykh, reformistskikh i revizionistskikh ekonomicheskikh teorii. Pod red. N.A.TSagalova. Moskva, Izd-vo Sotsial'no-ekon.lit-ry, 1960. 588 p. (MIRA 13:5)

1. Moscow. Universitet. 2. Chlen-korrespondent AN SSSR (for Arzumanyan).

(Economics)

L 24802-66 EWT(1)/EWP(m)/EWA(d)/EWA(1)
ACC NR: AP6014992 SOURCE CODE: UR/0170/66/010/005/0628/0631

AUTHOR: Tarnopol'skiy, M. D.; Khromushin, G. I.

ORG: None

TITLE: On the parameters of two-dimensional separated flows

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 10, no. 5, 1966, 626-631

TOPIC TAGS: supersonic aerodynamics, compressible flow, turbulent mixing, turbulent flow, separated flow, boundary layer, boundary layer thickness

ABSTRACT: The results of computer computations of the parameters of an incompressible gas flow in a self-similar turbulent mixing region after its separation from a solid surface are presented. A solution is obtained for the complete equation of a two-dimensional turbulent compressible gas flow in the Tollmien formulation for the whole mixing region at i_0 = const. (stagnation enthalpy) and $Pr_t = 1$. Two different sets of boundary conditions are considered. A dimensionless velocity profile at the separating streamline which corresponds to the mass flow rate G_s for an open stagnation region is determined, also the angular size of the region. The effect of the boundary layer momentum thickness δ^{xx} of the initial boundary layer on the parameters of the retarded flow is determined and analyzed. By assuming the similarity of a jet flow beginning at a certain coordinate x/δ^{xx}, a formula is derived for evaluating the effect considered here. Orig. art. has: 2 figures and 7 formulas. [AB]

SUB CODE: 20/ SUBM DATE: 23Nov65/ ORIG REF: 003/ OTH REF: 001/ ATD Press: 4250

Card 1/1 UDC: 532/503.2

KHROMUSHKIN, A.I.

RT-1197 (Parachute jumping from the stratosphere) Parashiutnye pryzhki iz stratosfery. TEKHNIKA VOZDUSHNOGO FLOTA, 18(8-9): 18-19, 1944.

KHROMUSHKIN, A.I.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 455 - I

BOOK

Call No.: AF640943

Author: KHROMUSHKIN, A. I.

Full Title: PRESSURIZED SUITS AND OXYGEN-RESCUE EQUIPMENT FOR HIGH-ALTITUDE FLIGHTS

Transliterated Title: Skafandry i kislorodno-spasatel'naya apparatura dlya vysotnykh poletov

Publishing Data

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Date: 1949 No. pp.: 112 No. of copies: 3,000

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Editor: Rabinovich, M. N., Eng., Lt. Col.

Others: The author expresses thanks for valuable help to V. A. Spasskiy, Prof. Med., Eng.-Major V. N. Knyazev, Kand. of Tech. Sci.; I. I. Shuneyko, Kand. of Tech. Sci., test pilot; Major S. N. Anokhin, test pilot, Master of Gliding and Parachute Sport of the USSR; Captain S. N. Mashkovskii, Hero of the Soviet Union, test pilot; and V. V. Tanskiy, engineer.

Appraisers: M. S. Yegorov, A. M. Gershkovich, N. G. Usachev and S. D. Talasov.

Skafandry i kislorodno-spasatel'naya apparatura dlya vysotnykh poletov

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Skafandry i kislorodno-spasatel'naya apparatura dlya vysotnykh poletov AID 455 - I

L 38484-66 EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/ETI/EWP(k) IJP(c) JG/HM/JD

ACC NR: AP6019425 SOURCE CODE: UR/0135/66/000/006/0003/0007

AUTHOR: Gladshteyn, L. I. (Candidate of technical sciences); Khromushkin, D. N. (Engineer)

47
46
B

ORG: PROYeKTSTAL'KONSTRUKTsIYa

TITLE: Weldability of heat treated low alloy steels 12G2SMF and 12Kh2SMF

SOURCE: Svarochnoye proizvodstvo, no. 6, 1966, 3-7

TOPIC TAGS: low alloy steel, weldability, high strength steel, chemical composition, plasticity, hardness, weld evaluation/12G2SMF LOW ALLOY STEEL, 12KH2SMF LOW ALLOY STEEL

ABSTRACT: The chemical composition and the mechanical properties of the two steels are listed in a complete table. Tests were carried out to determine the properties of the metal in welded joints with automatic and manual welding. Conditions of welding and results of the tests are shown in a second table. It was determined that introduction into non-nickel low alloy steel of small additions of molybdenum and vanadium (up to 2% each) makes it possible to obtain a sufficiently high strength and plastic metal. In the arc welding of such a steel, there occurred local loss of strength (5-30%); this was observed by measurement of the hardness. Manual arc welding of high strength steel can be done with

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UDC: 621.791.01:669.15-194:669-15

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ACC NR: AP6019425

type UONI-13/85 electrodes. In automatic welding, satisfactory properties of the metal joint can be obtained using AN-348A flux and Sv-10G2 welding rods, thanks to the molybdenum and vanadium alloying additions. Welded joints of high strength steels with transverse butt joints have a greater tendency toward brittle fracture than the basic metal. Orig. art. has: 5 figures and 6 tables.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 009

pb

Card 2/2

KOROLUSHKIN, N.K.

Paper bushings for mounting electric insulators on hooks and insulator pins. Avtom. telem. i sviaz' 5 no.9:39-40 S '61.
(MIRA 14:10)

1. Nachal'nik konstruktorskogo otdela Konstruktorskogo byuro Glavnogo upravleniya signalizatsii i svyazi Ministerstva putey soobshcheniya.
(Electric lines—Poles)
(Electric insulators and insulation)

KHROMUSHKIN, N.K.

Use every means to improve production and raise product quality. Avtom., telem. i sviaz' 8 no.12:1-5 D '64. (MIRA 18:1)

1. Nachal'nik tresta "Transsignalsvyaz'zavody" Ministerstva putey soobshcheniya.

ARASLANOV, M.A.; GABITOV, G.S.; MILYUKOVSKIY, G.Ye.; RAYTMAN, Ye.A.; KORCHEMKIN, N.I.; KHAVKIN, F.A.; PEREVALOV, L.N.; KHROMUSHKIN, M.K.

Improvement of artificial sole leather drying techniques and decreased dispensing of fiber in artificial leather for shoe counters. Prom.energ. 18 no.2:9 F '63. (MIRA 16:2)
(Leather, Artificial—Drying)

KHROMUSHKIN, P.I.

Change the design of the PMV-1357 starter. Bezop.truda v prom. 2 no.3:38 Mr '58. (MIRA 11:3)

1. Predsedatel' komissii okhrany truda shakhty "Oktyabr'skaya" tresta Makeyevugol'.
(Electric switchgear)

KHROMUSHKIN, V.P.

Exhibited at the Exhibition of the Achievements of the National Economy. Mashinostroitel' no.2:20 F '65. (MIRA 18:3)

KANAVETS, P.I.; GESS, B.A.; SPORIUS, A.E.; CHERNYSHEV, A.M.; MELENT'YEV, P.N.; CHERNYKH, V.I.; KHROMYAK, R.P.; KHAYLOV, B.S.; BORISOV, Yu.I.; TSYLEV, L.M.; SOKOLOV, V.S.; Prinimali uchastiye MARKIN, A.A.; GORLOV, M.Ya.; VORONOV, Yu.G.; BULAKHOV, K.A.; KREMYANSKIY, V.L.; ARSHINOV, G.P.; MAZUN, A.E.; PISARNITSKIY, I.M.; BOKUCHAVA, O.A.; KIRILLOV, M.V.; TSELUYKO, P.I.; POLYAKOV, G.O.; REZKOV, A.S.; ZHUCHKOV, M.I.; ROMASHKIN, A.S.; ZUBKOV, A.S.; KOZLOV, N.N.

Pilot plant for the nodulizing of finely ground charge mixtures by the method of chemical catalysis. Trudy IGI 22: 93-109 '63. (MIRA 16:11)

GESS, B.A.; CHERNYSHEV, A.M.; KANAVETS, P.I.; MELENT'YEV, P.N.; KHROMYAK, R.P.; VORONOV, Yu.G.; TSYLEV, L.M.; CHERNYKH, V.I.; BORISOV, Yu.I.; SPORIUS, A.E.; Prinimali uchastiye: TOLEROV, D.D.; MINKIN, V.M.; MARKIN, A.A.; GORLOV, M.Ya.; KHAYLOV, B.S.

Experimental blast furnace smelting with replacement in the charge of 20-per cent of the fluxed sinter by granules prepared by chemical catalysis. Trudy IGI 22:110-113 '63. (MIRA 16:11)

KHROMYKH, A.

Moving Pictures

Initiate a campaign for the dignity of a trademark. Kinomekhanik no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952, Unclassified.

1. KHROMYKH, A.

2. USSR (600)

4. Moving-Picture Projection

7. Decrease the wear and tear of movie films.
Kinomekhanik. No.9, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

KHROMYKH, A. (gorod Sverdlovsk).

Installation of dual type loud-speakers. Kinomekhanik no.5:29 My '53.
(MLRA 6:6)
(Loud-speakers)

KHROMYKH, A. (Sverdlovsk).

Preparation and use of screens in stationary motion-picture installations. Kinomekhanik no.7:15-23 Jl '53. (MLRA 6:8)
(Moving-picture projection)

L 15649-66 FBD/EWT(1)/FS(v)-3/EEC(k)-2/T/EWP(k)/EWA(h) SCTB/IJP(c) WG/DD

ACC NR: AP6004946 SOURC CODE: UR/0056/66/050/001/0281/0282

AUTHOR: Khromykh, A. M.

ORG: none

TITLE: Ring laser in a rotating reference system

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 1, 1966, 281-282

TOPIC TAGS: laser theory, laser optics, dielectric property, ring laser, traveling wave laser

ABSTRACT: The author shows that allowance for the presence of a dielectric medium filling the laser cavity is essential in precision measurements such as have been recently performed with traveling-wave lasers for the study of the dependence of the frequency shift of oppositely moving waves on the angular velocity of the laser, and also for the study of the Fizeau effect. Since an earlier analysis of this subject (by C. V. Heer, Fiz. Rev. v. 134, A799, 1964) turns out to

Card 1/2

L 15649-66

ACC NR: AP6004946

lead to incorrect results, the author analyzes the motion of a rotating resonator in a coordinate system that rotates with the resonator. To allow for the stationary gravitational field, the equation for the refractive index in the gravitational field is derived by using Maxwell's equations for a plane wave and the nonvanishing components of the metric tensor. The frequency shift is obtained by equating the change in phase produced when the waves make one complete circuit in the resonator. Allowance for dispersion in dielectric adds a contribution of the order $10^{-3} - 10^{-4}$ to the main shift, since only a small fraction of the resonator length is filled with the dielectric. The dispersion term cannot be neglected, in view of the anomalous dispersion in the generation region, and its magnitude depends on the degree of interaction between modes. The author thanks B. V. Rybakov for useful discussions." Orig. art. has: 7 formulas. [02]

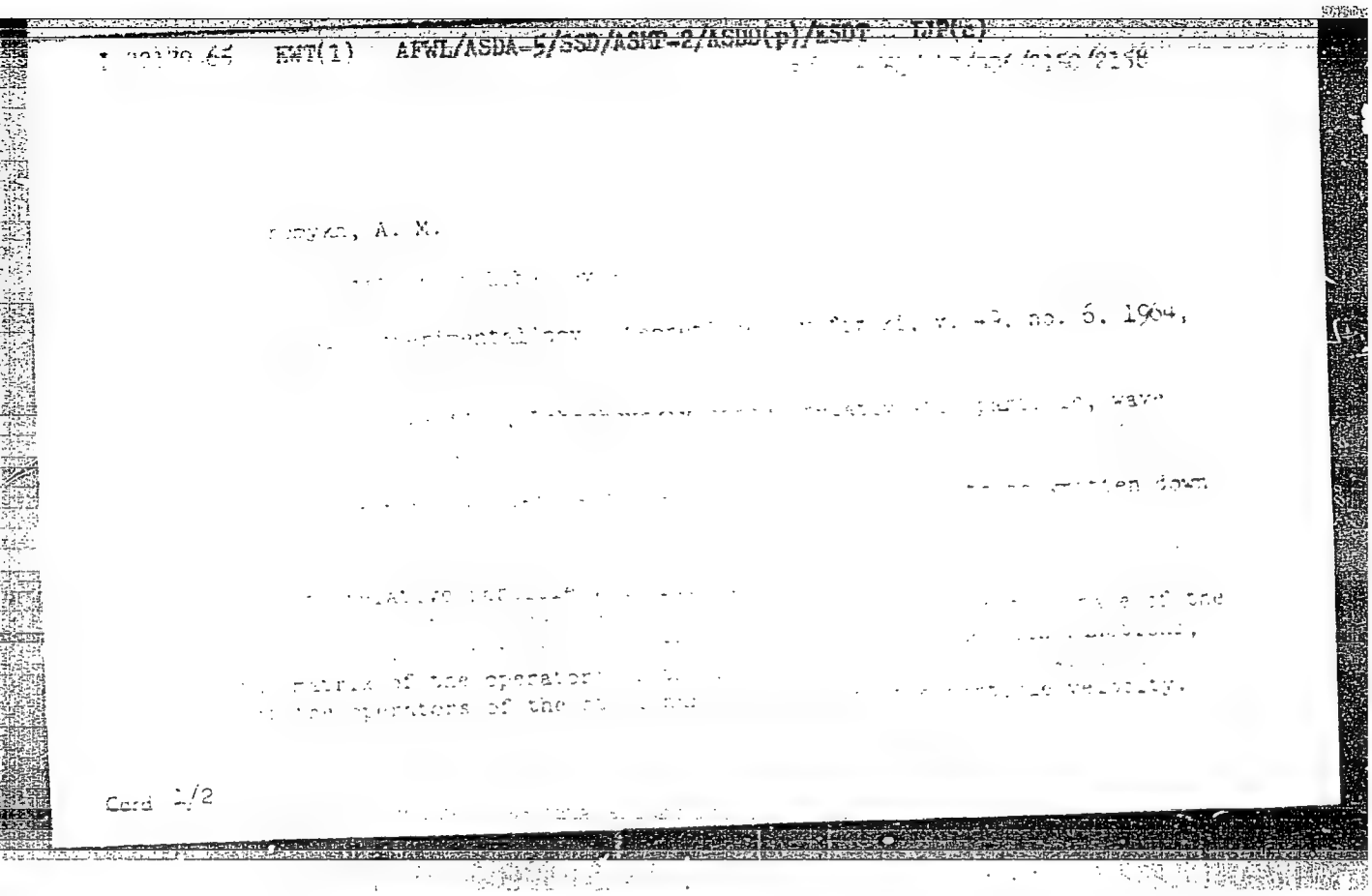
SUB CODE: 20/ SUBM DATE: 17Aug65/ ORIG REF: 002/ OTH REF: 005/
ATD PRESS: 4201

Card 2/2

KHROMYKH, A.M.

Spin kinematics in Lobachevskii space. Zhur.eksp. i teor.fiz. 47 no.6:2150-2158 D '64. (MIRA 18:2)

1. Moskovskiy fiziko-tekhnicheskiy institut.



EWT(1) AFWL/ASDA-5/SSD/ASMP-2/ASDD(p)/ASDT

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AP1001836

transformations in the Q representation are considered. By way of an example, the technique is applied to the construction of the amplitudes and of the final state density matrix for Compton scattering. The connection between

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Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000722410006-9"

KHROMYKH B.S.

Boron trifluoride as catalyst in

AKININ, P.I., inzh.; GINDIS, Ya.P., inzh.; KHROMYKH, I.I., inzh.

Automatic slagging-off from ladles. Mekh.i avtom.proizv. 16 no.9:20 S '62. (MIRA 15:9)
(Zaporozh'ye--Iron and steel plants)
(Automation)

KHROMYKH, K.I.; ZINLAND, R.S.; BELOSTOTSKIY, S.L.

Treating suppurative skin diseases by electrophoresis of staphylococcal antiphagin. Vest.ven.i derm. no.4:60-61 Jl-Ag '53. (MLRA 6:9)

1. Leningradskiy kozhno-venerologicheskiy dispanser No.15.
(Skin--Diseases) (Cataphoresis) (Staphylococcus)

S/020/60/135/002/031/036
B016/B052

AUTHORS: Zhuravleva, M. G., Chufarov, G. I., Corresponding Member of the AS USSR, and Khromykh, L. G.

TITLE: Influence of Carbonates of Alkali Metals and Alkaline Earths on the Reduction of Iron by Graphite

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 2, pp. 385 - 388

TEXT: The authors studied the effect of lithium, cesium, rubidium, and strontium on the reduction kinetics of magnetite, wustite, and ferrous oxide at 990°C. They also carried out an X-ray structural analysis of the solid phase of magnetite during reduction and with a 1% addition of K_2CO_3. They applied the method of continuous weighing by means of a quartz spring. The graphite used was three times the quantity required for reduction. The above metals were added in the form of carbonates (1% of the oxide weight). The CO_2 content in the gas was continuously determined by freezing and subsequent evaporation. It is shown that

Influence of Carbonates of Alkali Metals and Alkaline Earths on the Reduction of Iron by Graphite

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Rb and Cs salts accelerate the reduction of magnetite considerably. This effect is particularly strong at the beginning of the process. This is explained by the high volatility of Rb and Cs salts which, at 950-990°C, quickly disappear from the reaction zone, as was shown experimentally. $SrCO_3$ mainly accelerates the second stage of the process. The effect of Li_2CO_3 is low. Fig.2 illustrates the reduction of ferrous oxide by graphite with and without the addition of the four carbonates. In this case, the addition of lithium was also ineffective. $SrCO_3$, however, accelerated the process by a multiple. The character of kinetics remained unchanged. Cs_2CO_3, like K_2CO_3, accelerates the reduction already at the beginning. The process starts at maximum rate and slows down after a 40-50% reduction. Summing up: The accelerating effect of alkali metals on the reduction of iron oxides with graphite increases during the transition from light to heavy metals, and is due to the action of ions of monovalent metals on the electron state in the crystal lattice of iron oxide. The salts of divalent alkaline earths ($SrCO_3$) mainly

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accelerate the reduction of wustite to the metal. This is closely related to the redistribution of electron density in the imperfect structure of wustite. There are 4 figures and 3 Soviet references.

ASSOCIATION: Institut metallurgii Ural'skogo filiala Akademii nauk SSSR (Institute of Metallurgy of the Ural Branch of the Academy of Sciences USSR)

SUBMITTED: July 19, 1960

Card 3/3

SHCHEPETKIN, A.A.; KHROMYKH, L.G.; BOGOSLOVSKIY, V.N.; ZHURAVLEVA, M.G.; CHUFAROV, G.I.

Equilibrium conditions during the reduction of magnesium ferrite by hydrogen. Dokl. AN SSSR 152 no.1:124-126 S '63. (MIRA 16:9)

1. Institut metallurgii Ural'skogo filiala AN SSSR. 2. Chlen-korrespondent AN SSSR (for Chufarov).
(Magnesium ferrates) (Reduction, Chemical)